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 $\textbf{(54) Title:} \ \textbf{USE OF A SERINE PALMITOYLTRANSFERASE} \ \textbf{(SPT) INHIBITOR TO TREAT ATHEROSCLEROSIS AND DYSLIPIDEMIA}$

Serine + Palmitoyl CoA

Myriocin —— | Serine Palmitoyltransferase

3-ketosphinganine

Sphinganine

Dihydroceramide

Ceramide

Sphingomyelin

(57) Abstract: The present invention relates to methods of treating atherosclerosis, dyslipidemia, other cardiovascular diseases and related diseases, such as diabetes, using a serine palmitoyltransferase (SPT) inhibitor. The present invention also relates to pharmaceutical compositions and kits that comprise a serine palmitoyltransferase (SPT) inhibitor, optionally with another pharmaceutical agent.

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